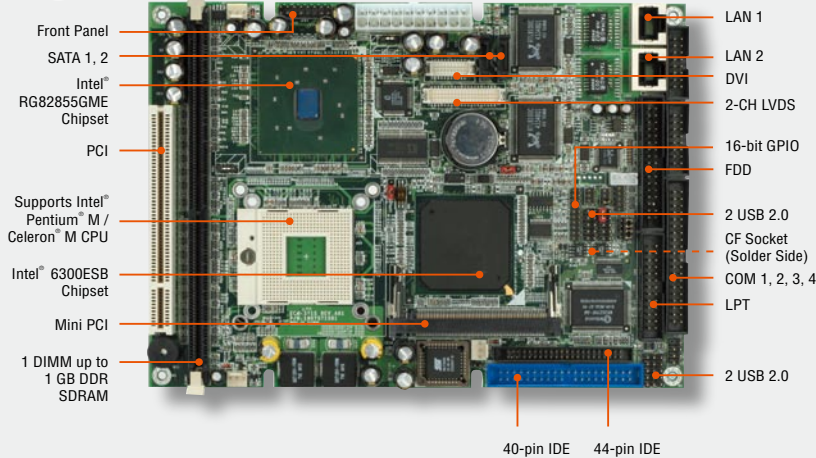


# ECM-5715 5.25" Intel® Pentium® M / Celeron® M Mini Module



## Features

Supports 90nm Intel® Pentium® M / Celeron® M CPU

Intel® 82855GME Chipset

One DIMM up to 1 GB DDR SDRAM with ECC Supported

DVI, 2-CH LVDS, Dual View

5.1 CH Audio, TV-out

Dual Realtek RTL8100C or Optional Intel® 82551QM/82551ER 10/100Mbps LAN

Optional Dual Intel® 82541PI/82541ER or Realtek RTL8110S Gigabit LAN

1 PCI, 1 Mini PCI, Type I/II CF

2 SATA, 4 COM, 4 USB 2.0, 16-bit GPIO

ECC Supported

Dual View

TV-out

2 GigaLAN

Mini PCI

2 SATA

4 COM

GPIO

## Specifications

### System

|                           |  |
|---------------------------|--|
| <b>CPU</b>                | Supports Intel® µFC-PGA 478 Pentium® M / Celeron® M CPU with 0.13µ and 90nm process technology             |
| <b>FSB</b>                | 400 MHz  |
| <b>BIOS</b>               | Award 512 KB Flash BIOS  |
| <b>System Chipset</b>     | Intel® RG82855GME GMCH/6300ESB   |
| <b>I/O Chip</b>           | Winbond W83627HF-AW  |
| <b>System Memory</b>      | One 184-pin socket supports up to 1 GB DDR 200/266/333 SDRAM with ECC supported                            |
| <b>SSD</b>                | One CompactFlash Type I/II socket  |
| <b>Watchdog Timer</b>     | Reset: 1 sec.~255 min. and 1 sec. or 1 min./step   |
| <b>H/W Status Monitor</b> | Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats |
| <b>Expansion</b>          | One PCI slot (PCI Rev. 2.2 compliant), one Mini PCI slot   |

### I/O

|             |  |
|-------------|--|
| <b>MIO</b>  | 4 x EIDE (Ultra DMA 100), 2 x SATA, 2 x FDD, 1 x LPT, 3 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse |
| <b>IrDA</b> | 115k bps, IrDA 1.0 compliant   |
| <b>USB</b>  | 4 x USB 2.0 ports  |
| <b>DIO</b>  | 16-bit General Purpose I/O for DI and DO   |

### Display

|                                 |   |
|---------------------------------|---|
| <b>Chipset</b>                  | Intel® RG82855GME GMCH integrated Extreme Graphics 2 controller                                 |
| <b>Display Memory</b>           | Intel® DVMT 2.1 supports up to 64 MB video memory   |
| <b>Resolution</b>               | CRT mode: 2048 x 1536 @ 16 bpp (75 Hz)<br>LCD/Simultaneous mode: 2048 x 1536 @ 16 bpp (75 Hz)   |
| <b>Dual Independent Display</b> | CRT + LVDS, or DVI/TV-out + LVDS, or CRT + DVI  |
| <b>VGA/LCD Interface</b>        | AGP 4X VGA/LCD interface  |
| <b>LVDS</b>                     | Dual-channel 18/24-bit LVDS   |
| <b>DVI</b>                      | Chrontel CH7009A DVI transmitter  |
| <b>TV-out</b>                   | Chrontel CH7009A TV encoder supports both NTSC/PAL<br>Supports both S-Video and composite video |

### Audio

|                        |  |
|------------------------|--|
| <b>Chipset</b>         | Intel® 6300ESB                         |
| <b>AC97 Codec</b>      | Realtek ALC655 supports 5.1 CH Audio   |
| <b>Audio Interface</b> | Mic in, Line in, CD Audio in, Line out |

### Ethernet

|                           |  |
|---------------------------|--|
| <b>LAN</b>                | Dual Realtek RTL8100C<br>Optional dual Intel® 82551QM/82551ER or dual Realtek RTL8110S Gigabit LAN or dual Intel® 82541PI/82541ER Gigabit LAN                  |
| <b>Ethernet Interface</b> | 100Base-Tx Fast Ethernet compatible: Realtek RTL8100C, Intel® 82551QM/82551ER<br>1000Base-T Fast Ethernet compatible: Realtek RTL8110S, Intel® 82541PI/82541ER |

### Mechanical & Environmental

|                              |  |
|------------------------------|--|
| <b>Power Requirement</b>     | +5 v @ 2.71 A, +12 V @ 0.25 A, +3.3 V @ 5.60 A (with Intel® Pentium® M 1.8 GHz & 1 GB DDR SDRAM) |
| <b>Power Type</b>            | ATX  |
| <b>Operating Temperature</b> | 0~60°C (32~140°F)  |
| <b>Operating Humidity</b>    | 0%~90% relative humidity, non-condensing   |
| <b>Size (L x W)</b>          | 8" x 5.75" (203 mm x 146 mm)   |
| <b>Weight</b>                | 0.88 lbs (0.4 Kg)  |

## Ordering Information

- ECM-5715**  
5.25" Intel® Pentium® M / Celeron® M Mini Module with VGA, 2-CH LVDS, DVI, TV-out, 5.1 CH Audio, Dual LAN, CF, PCI, Mini PCI, 2 SATA, 4 COM, 4 USB 2.0 & DIO
- ECM-5715G**  
Same as ECM-5715, but with Single Gigabit LAN & Single LAN
- ACC-57122-1**  
Cable Kit for ECM-5715
- ACC-CFC-xx**  
CompactFlash Card (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1 GB)

01  
RISC

02  
ETX

03  
EPIC

04  
3.5"

05  
5.25"

06  
MB

07  
PC/104

08  
FS/HS

09  
Barebone

10  
PPC

11  
ACC